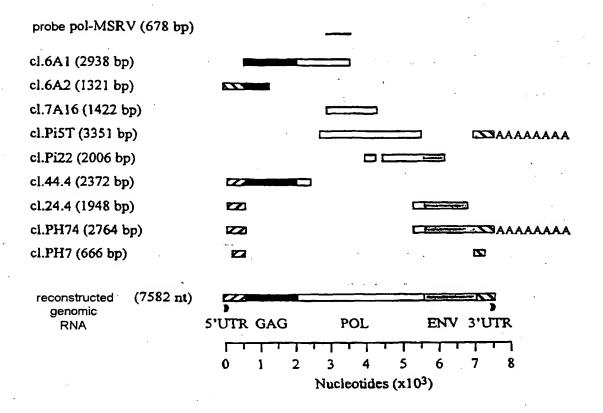
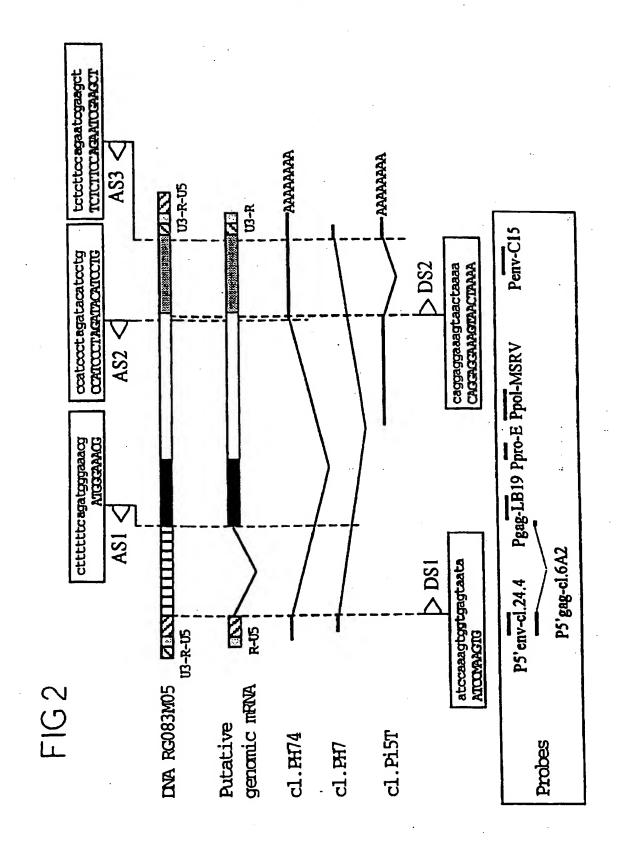
FIG 1





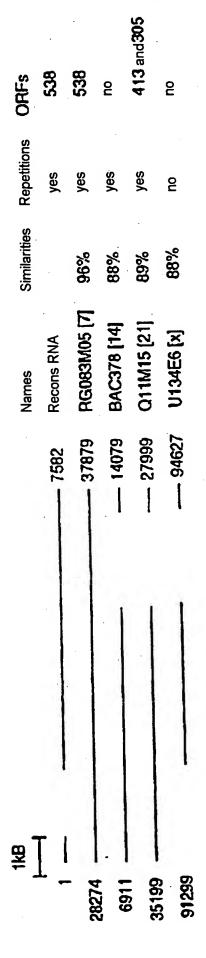


FIG3

FIG 4A

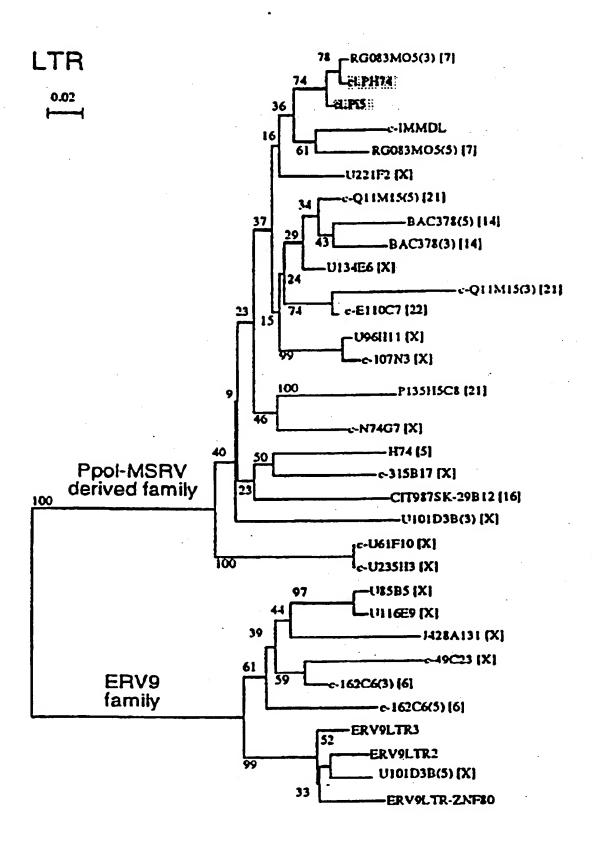


FIG 4B

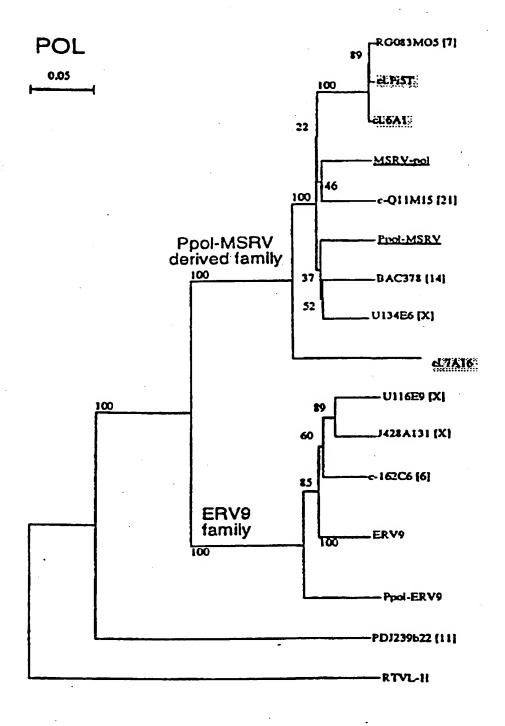


FIG 4C

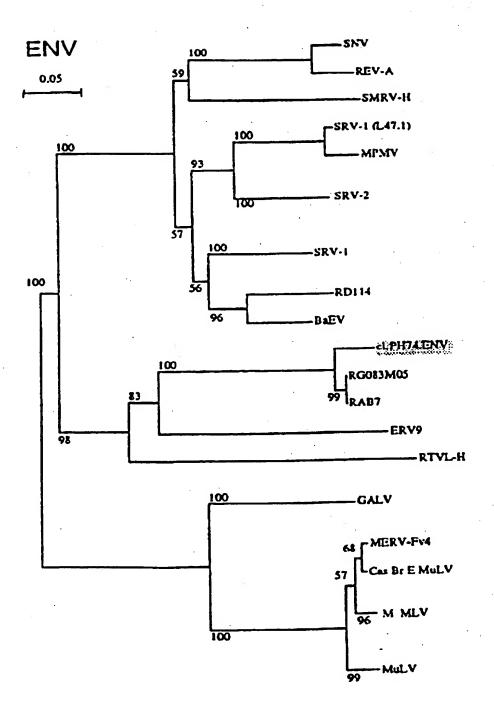


FIG 5A

5-FG-28000-28872	CCCTGGGGCGGGCTTCCTTTCTGGGNTCAGGGCAAAACGCCTGGAGATACAGCAATTATCTTGCAACTGGAGACAGGACTAGCTGGATTTCCTAGGCGACTAAGA	107
3-RG-37500-38314	TCGTCGGCAACTCCCAACACCACTTAGGTTTTCCTGTTGAGATGGGGGACTAGGACTAGCAGACTAGCTGGATTTCCTAGGCTGACTAAGA	93
3-PH74.2359-2782	PAGCOG	120
3-5453.710-1130		ì
Consensus	TGRGAGLCAGGACTAGCTGGATTTCCTAGGCTGACTAGGA	ę
5-RG-28000-28872	ATCCCTARGCTAGCTGGAGGAGGACGACGTTTAAACACGGGGGGTTGCAACTTAGCTCACACCTGACCAATCAGAGAGCTCACTAAAATGCTAATTAGGCAAAGGAGGGT	121
3-RG-37500-38314	ATCCCTARGCTAGCTGGAANGGTGACCACATCCACCTTTAAACACGGGGGCTTGCAACTCACCTCACCTGAACACACAC	233
3-PH74.2359-2782	ATCCTTANGCCTNGSTGSBANGSTGACCACATCACCTTTAAACACGGGGCTTTCAACTTAACTCACCACCACTCAATTAAGACTAATTAAGAAAAAAAA	240
3-C4C5.710-1136	ATCCCTARGCTRGCTGACCACACCACACCTTAAACACGGGGCTTGCAACTTACACCTAAACACCAAAAAAACAAAAAAAA	
Consensus	ATCCYTAAGCCIAGSTGGGAAGGTGACCACATTAAALACGGGGGGTTTGCAACTTAGTTCACACTGAALCAGGGGCTCACTAAAAGTGCTAATTAGGCAAAGACAGGGGT	160
	VI III II	
ררמפר-מלמפר כמ ז	A SERVICE OF THE PROPERTY OF T	347
21887-00087-50-5 41481-00264-00-4	AND THE PROPERTY OF THE PROPER	332
1-PH74, 2359-2782	ANACHARIACCIATIVATICATIVACOTICAGA GOCOCOCICAGA CONTRANCOCO ANACOCO ANACORACICA COCOCOTICAGA COCOCOCOTICAGA COCOCOCOTICAGA COCOCOCOTICAGA COCOCOCOTICAGA COCOCOCOTICAGA COCOCOCOTICAGA COCOCOCOTICAGA COCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO	359
3-C4C5.710-1136	AAAGAATTAGCAATCATCTATTGCATGAGACACAGGAGGACAATGATCGGGALATAAACCCAAGTCTTCGAGCCGGCAACGGCA-ACCCCCTTTGGGTCCCTTCGTATG	359
5-642.1-600	PACANTOSSALITUDASCALITATASCANTOSSANTOSSANTOS ANO CONCOLO CONCO	٠,
S-PH74.1-530		,
Consensus	AAAGAALLAGICATITATTGOHTGAGAGCACAGCAGGAGGAAAYRATCGGGALALABACCARGIHTTCGAGCYGGCAACRGCAGCCCCTTTGGGTCCCTTTGTATG	280
5-RG-28000-28872	GEAGCHOTTHICADGCHATHCACHCHAITHAAACCHGCACHCHCHAGHCCANGTHICHTACGGCGAGGCHGAGCHTHGCHCACCACGGCCACGGCGACTATHGCACAC	465
3-76-37500-38314	GENGCI CONTINUE CONTINUE DE LA CONTINUE DE CONTINUE DE CONTINUE CO	70
3-PH74.2359-2782	GGAGCTGTTTTCATGCTATTTCACTCTATTAAATCTTGCAAAAAAAA	3 5
3-6465,710-1136	GENGCICTOTITICATECTATICACTCIATANATCTICCAGATICACATANANANANANANANANANANANANANANANANANA	5 6
S-6A2.1-600	GGAGCIGITITICALGCTATITICACTCIATIONACIACACTATICIONACATATICIATACA-LICAGA-LICAGA-LICAGA-TATICACATATICA	2 2
5-7974.1-530	GGAGCIGITIFICATICTATIVACITATIVATCITICATATIVACITATIVA	8
5-24.4.1-486		
	CONTROLLE SECTION OF THE SECTION OF	90
Consensus	GARCICIOLITICALCIALITICALCIALCIALCIALCIALCIALCIALCIALCIALCIAL	

FIG 5B

	COSTA EN CHIEN THE HEAVILON OF THE AREA OF THE CONTROL OF THE CONT	585
3-RG-37500-38314	CCCARACCCS CONTROCT CONTROCT CONTROL ASSET OF CONTROL CONTROL OF THE CONTROL CONTROL CONTROL CONTROL CANADA CON	572 312
5-642.1-600 5-8474.1-530	COSCINACIONAL INCLUENTA INC	251
5-24.4.1-486	CCCCARACCTGCCCCTGACCTCCCTCTGCATCCTGCAGGTGTCCGCTGTGCTCCTCATCCAGCGAGGCCCCATTGCTCAATTGGCTTAAAGGLTGGTCAATTGCTTGCAG	3
Consensus	CCGCANACCTGCCGCTGACTCCCCATCCCTCTGGATCHTGCAGGATGTCCGCTGTGCTCCTGATCCAGCGATGCCCCATTGCCGCTCCCAATYGGCTAAAGGCTTGCCATTGTACCTGC	220
6-82-38000-38873	ACTACH MERICOCHES STITISTIC TANTICAS CITACICAC DESCRIPCIÓN DE MODECACIO CONTRACIA DE MARCACITACICA CONTRACIA DE CONTRACIA	705
3-16-37500-38314	ATGGCTAAGTGCCTGGGTTCATCGTAATTGACCGGAACACTAGGCTTCCATGGTTCCTTTCTGTGACCCACAGGCTTCTAATAGACTATAACACTTACACAGGCCCAAGATT	432
5-6A2.1-600 5-PH74.1-530	ACCCTANGIOCCIOSSITISTICIANI INFOLIMOCTANTACTOSSITICATIOSTICATION CANGINA ACTUAL AND ACTUAL AC	318
5-24.4.1-486	ACCEPTAGESCENCESCENTICITATE ACCEPTANCE CONTRACTOR SETTLEMENTS TO THE SETTLEMENT OF SETTLEMENTS O	,
Consensus	AYGGCTAAGTGCCTGGGTTTRTYCTAATTGAGCTGAACACTAATCACTGGGTTCCATGGTTCTGTGACCCACRGCTTCTAATAGARCTATAACACTYACCRCATGGCCCAAGRTT	040
	O SE SECONDO DE LA PERSONA DE	824
5-RG-28000-28872	CCATTCTTISSAATCU LAASACCAA CAACCCAGGITCAGAACAACGAACGCTTG	992
3-RG-3/300-38314 6-683 1-600	CALITY TO SELVE SOUR CONTROL OF THE CARACTEC AND THE CONTROL OF THE CARACTEC SECTION OF THE CARACTEC S	3 3 3 3
5-PH74.1-530	CONTINCETIONAL CONTINUE AND	53
5-24.4.1-486	CONTICCTINGUAL CONCINCAMENTAL CARGET CARGET TRACTICAL CARGET CONTICCTINGUAL CONTICCTION CO	
Consensus	CCATTCCTTGGAATCCRIFARAGSCAACGAACTCCASGTCAGAGAAYACGARGCTTGCCACCATCTTGGAAGCGGCCTGCTTACCATCTTGGAAGTGGTTCACCACCATCTTGGAAGCTCTG	160
5-RG-28000-28872		
3-RG-37500-38314		
5-642.1-600	TCAGENAGRACCCCCGGGTAACATTTTGGCAACCACGGGACATCCA 600	
5-PR74.1-530	PROGRACO CONCORNA CONTRACO	
5-24.4.1-486		
	TGAGCAGGACCCCGRGTFACA	

ORF1: ENV (538 AA) FIG 6

< MGLPYHI	L IFLCSVLSI	>< PCFTLTAPPPCRO	SU CMTSSSPHPEFLWRM(orpgnidapsyrslsk g ti	P 60
A	FT V	S	YQ	С	
TFTAHTI	MPRNCYH:	Satlomhanthyi	wtgkminpscpgglg\	VTVCWTYFTQTGMSDGGG	120
ODQAREI	KHVKEVIS	OLTGVHGTSSPYI R	KGLDLSKLHETLRTH	TRLVSLFNTTLTGLHEVS	A 180
ONPTNC	NICĻPLNF	RPYVSIPVPEQW	NNFSTEINTTSVLVG	PLVSNVEITHTSNLTCVK L	F 240
SNTTYT	rnsocirw	VTPPTQIVCLPS	GIFFVCGTSAYRCLN	GSSESMCFLSFLVPPMAI T	¥ 300
TEQDLY		>< Tì NKRVP <u>ILPFVIG</u>		TSTQFYYKLSQELNGDME	R 360
VADSLV	rlodorns	LAAVVLQNRRAL R	DLLTAERGGTCLFLG S	EECCYYVNQSGIVTEKVE K	E . 420
IPDRIQ	RIAEELRN	TGPWGLLSRWMP	WILPFLGPLAAIILL	LLFGPCIFDLLVNFVSSR	I 480
R	·R	Q		N	
FAURIO	мер ки Оси	ይሮ ሮ ሮር, ነር ወርጥ ተህጥ	. SPR SDVNDT KGTPPF	CEISAAQPLLRPNSAGSS	538
EN A VIV	LIEL WINGOV	TITTINGS THE STATE	O : 1/DD - 1/DZ 1/O		

ORF2 (52AA)

MEPKMQSKTKIYRRPLDRPVSPRSDVNDIKGTPPEEISAAQPLLRPNSAGSS-

Alignment ORF2 and Rex PLLV-L

ORF2

KIY-RRPLDRPASPRSDVNDIKGTPPEEISAAQPLLRP
++Y LD P SP ++ P S QPLLRP
Rex PTLV-L (B53482) RLYNTLSLDSPPSPPKELPA----PSRFSPPQPLLRP

ORF3 (48AA)

MLMTSKAPLLRKSQLHNLYYAPIQQEAVRAVVGQPPQQHLGFPVEMGD

Alignment ORF3 and Tat SIV-AGM

ORF3 MTSKAPLLRKSQLHNLYYAPIQQEAVRAVVGQPPQ +T AP R+ ++ +L AP+Q +++ G+ Q Tat SIV-AGM(p05913) VTYHAPRTRRKKIRSLNLAPLQHQSISTKWGRDGQ